

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

1-10. (canceled)

11. (currently amended) A panel (1,1') for sectional doors, comprising a first profiled metal plate (2) and a second profiled metal plate (4), connected together to form an interspace (3), filled with an insulant, ~~such as foamed polyurethane,~~ and presenting a body having:

a) a first longitudinal end (6) having a more outer substantially circular profile part (5) and a more inner narrow connecting part (10, 11, 17, 18, 19), and

b) a second longitudinal end (7) opposite the first (6) and presenting a recess (8) of substantially circular narrow-mouthed shape (8A), centered on the medium plane of the panel (1, 1') and arranged to matchingly receive said more outer part (5) of another panel having identical ends ~~such as~~ to couple and hinge the panels (1) together by simply inserting them manually and thrusting them in the direction of the panel height, characterised in that the recess (8) is symmetrical to said medium plane.

12. (previously presented) A panel (1) for sectional doors as claimed in claim 11, characterised in that its first longitudinal end (16) is obtained by the union of two circumferential arcs (12) and (16) of the profiled plates joined together by means of a pair of tabs (13,14) and radius-joined to the body of the panel by the shaped connection portions (10-11 and 17-18-19).

13. (previously presented) A panel (1) for sectional doors as claimed in claim 11, characterised in that that end (7) provided with the recess (8) is formed by the union of two circumferential arcs (24) and (28) joined together by means of a pair of tabs (26,27), and radius-joined to the lower end of the panel (7) by a plurality of portions of shaped fixing profiles (20-21-22-23 and 29-30-31-32).

14. (previously presented) A panel (1) for sectional doors as claimed in claim 11, characterised in that said shaped fixing profile portions (20-21-22-23 and 29-30-31-32) present at said second end (7) are shaped such that the initial portions (22-23 and 29-30) forming the access mouth are positioned below the centre (25) of said recess (8) and have a minimum distance apart which is less than the diameter of the circumference of the more outer part (5), to embrace said part (5) when inserted and

prevent its easy disengagement during normal operation of the sectional door.

15. (previously presented) A panel (1) for sectional doors as claimed in claim 11, characterised in that said more outer part (5) is slightly inclined towards the interior of the space closed by the sectional door, to prevent, when in said position, squashing of the fingers by the outside of the door, between a shaped fixing profile portion (20-21) of the second end (7) and the radius-joining profile (10-11) of the first upper end (6), during their mutual rotation.

16. (previously presented) A panel (1) for sectional doors as claimed in claim 11, characterised in that said more outer part 5 is inclined towards the interior of the space closed by the sectional door, in said position preventing squashing of the fingers by the inside of the door, between the shaped fixing profile portion (31-32) of the lower end (7) and the internal radius-joining profile (17-18-19) of the upper end (6) during their mutual rotation, said squashing of the fingers being prevented until the angle between the panels is $\pi/6$ radians, said contained angle assuming at a maximum the value of $\pi/3$ radians, at which contained angle said profiles (31-32) and (17-18-19) already abut against each other, so preventing their further

mutual rotation and ensuring that the panels (1) cannot possibly fall.

17. (previously presented) A panel (1) for sectional doors as claimed in claim 11, characterised in that a plurality of half-rings (9) of self-lubricating material can be inserted into the recess (8,38) by simple manual push-fitting in the direction of the panel height, spaced apart by a distance approximately equal to the height of the panel (1).

18. (previously presented) A sectional door formed from panels in accordance with claim 11.

19. (new) A panel (1,1') for sectional doors, comprising:

a first profiled metal plate (2);

a second profiled metal plate (4) connected to the first plate,

an interspace (3) filled with a foamed polyurethane insulant between the first and second plates,

the first and second plates and interspace and presenting a body, wherein the body comprises

a) a first longitudinal end (6) having a more outer substantially circular profile part (5) and a more inner narrow

connecting part (10, 11, 17, 18, 19), the first longitudinal end running along a length of the body, and

b) a second longitudinal end (7) opposite the first (6), the second longitudinal end running along the length of the body, a distance between the first and second longitudinal ends defining a panel height of the body,

the second longitudinal end presenting a recess (8) of substantially circular narrow-mouthed shape (8A), centered on the medium plane of the panel (1, 1') and arranged to matchingly receive said more outer part (5) of another panel having identical ends to couple and hinge the panels (1) together by manual insertion of the panels and thrusting the panels in the direction of the panel height, the recess (8) being symmetrical to said medium plane.